

## Reference U

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ACCESSION NUMBER: 2001:658540 HCAPLUS  
DOCUMENT NUMBER: 135:371618  
TITLE: Isoquinoline syntheses via  $\Delta^2$ -oxazolines. Part  
VIII. Cyclization of  
2-acetamido-1,2-diphenylethan-1-ol derivatives into  
isoquinoline systems  
AUTHOR(S): Kopczynski, T.; Voelkel, A.  
CORPORATE SOURCE: Institute of Chemical Technology and Engineering,  
Poznan Technical University, Poznan, 60-965, Pol.  
SOURCE: Polish Journal of Chemistry (2001), 75(9), 1317-1325  
CODEN: PJCHDQ; ISSN: 0137-5083  
PUBLISHER: Polish Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 135:371618  
AB The results of the conversion of 2-acetamido-1,2-diphenylethan-1-ol  
derivs. into 1-methyl-4-phenylisoquinoline derivs. were described. The  
mechanism proposed for these reaction assumes the existence of protonated  
 $\Delta^2$ -oxazolines, carbonium ions, and unsatd. amides as intermediates.  
For example, the cyclization of erythro-N-(2-hydroxy-1,2-  
diphenylethyl)acetamide or threo-N-(2-hydroxy-1,2-diphenylethyl)acetamide  
gave 1-methyl-4-phenylisoquinoline in 66% yield.  
IT 374594-09-9P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of isoquinolines via cyclocondensation of  
N-(hydroxydiphenylethyl)acetamide derivs.)  
RN 374594-09-9 HCAPLUS  
CN Isoquinoline, 6-methoxy-1-methyl-4-phenyl- (CA INDEX NAME)

